

N° 4.

Double Survey.

—

#165 - Nov 12<sup>th</sup> 1881

to

#166 - Nov 14<sup>th</sup> 1891

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2801

No. 146 Survey Date Nov 10 - 1891.

Jigsbee Machine. #1 Reel Navy.

Turns 2384 Cor. + 166 Depth 2550 fms.

Shot on lead 60 lbs.

Bottom fm: 03

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 68 Surface 69 Drift —

Trawl or dredge —

A.M. SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1- 41- 30	56- 15	0		
42- 35	55- 15	100		
43- 45	54- 15	200		
44- 40	53- 15	300		
45- 45	52- 15	400		
46- 45	51- 30	500		
47- 50	50- 15	600		
49- 00	49- 15	700		
50- 05	48- 00	800		
51- 15	43- 15	900		
52- 30	41- 30	1000		
53- 45	40- 00	1100		
55- 00	37- 00	1200		
56- 20	34- 00	1300		
57- 40	31- 00	1400		
59- 00	28- 45	1500		
2- 00- 20	27- 15	1600		
01- 45	25- 45	1700		
03- 15	24- 15	1800		
04- 35	22- 35	1900		
06- 05	21- 00	2000		
07- 35	19- 20	2100		
09- 05	17- 45	2200		
10- 40	16- 10	2300		
12- 00	2- 15- 00	2384	By lead	58.6
		2400	Rate 1 6/10 knots while heaving in.	

2500	4682	219
2600	<u>2384</u>	53
2700	23.00	166
2800		2384
2900		2550
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	<u>2384</u>	53
3700	2298	166
3800		2384
3900		2550
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:  
Engine acting crankily -  
Appears to be out of order

2807

No. 147 Surrey Date Nov. 10/91.  
 Sigeoce Machine. #7 Reel. Navy

Turns 2460 Cor. + 169 Depth 2629  
 Shot or lead 60 lbs.  
 Bottom 6w. oz.  
 Bottom temperature —  
 No. of thermometer — Cor. —  
 Corrected temperature —  
 Air 67 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-01-0	21-0	0		
02-15	20-10	100		
03-30	19-15	200		
04-45	18-05	300		
06-5	16-55	400		
07-30	15-45	500		
09-0	14-35	600		
10-20	12-40	700		
11-40	10-40	800		
13-6	08-40	900		
14-20	07-0	1000		
15-35	05-15	1100		
17-15	03-45	1200		
18-20	05-01-30	1300		
19-40	04-35	1400		
21-0	07-50	1500		
22-30	06-0	1600		
24-0	03-55	1700		
25-20	01-45	1800		
26-35	09-40	1900		
28-35	07-50	2000		
30-10	06-10	2100		
31-40	04-15	2200		
33-15	02-25	2300		
34-55	04-40-50	2400		
			Drop Rend. 68-6	Wind 1
			Knots while rendering	

4-36-0	4-38-40	2460 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000	4682 2460 2222 2460 2629	219 50 169 2460 2629
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2803

No. 148 Survey Date Nov 10/91.

Sighter Machine. 1 Reel. Tary.

Turns 2445 Cor. + 169 Depth 26 14 fms.

Shot or lead 600 lbs.

Bottom fw. oz.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 67 Surface 69 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-32-0	40-20	0		
33-10	39-10	100		
34-30	37-20	200		
35-45	36-15	300		
37-0	38-30	400		
38-0	34-20	500		
39-15	33-5	600		
40-30	31-45	700		
41-40	30-35	800		
43-0	29-30	900		
44-20	28-15	1000		
45-40	36-50	1100		
47-5	35-35	1200		
48-30	34-15	1300		
49-50	28-0	1400		
51-30	21-45	1500		
53-0	20-30	1600		
54-30	19-10	1700		
56-10	17-50	1800		
57-45	16-30	1900		
58-20	15-20	2000		
7-0-1	14-5	2100		
02-30	12-50	2200		
04-05	11-25	2300		
6-07	09-50	2400		

7-7-0	7-9-0	2445 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000	4682 2445 2237 169 2445 2614	219 50 169 2445 2614
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 149 Survey Date Nov 10. 1891  
 Siebebe Machine. Reel. Navy

Turns 2546 Cor. + 143 Depth 2719 fms

Shot or lead 60 lbs

Bottom 600 fms

Bottom temperature 35°

No. of thermometer 69488 Cor. + 0.1

Corrected temperature 35.1

Air 67 Surface 68 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE,	
DOWN.	UP.		DOWN.	UP.
8 47.35	53.00	0		
48.35	51.45	100		
49.35	50.30	200		
50.40	49.40	300		
51.45	48.30	400		
52.50	47.20	500		
53.50	46.10	600		
55.00	45.00	700		
56.15	43.45	800		
57.25	42.35	900		
58.35	41.30	1000		
59.55	40.25	1100		
9 01.15	39.25	1200		
02.25	38.15	1300		
03.45	37.10	1400		
05.10	35.35	1500		
06.35	34.35	1600		
08.10	33.30	1700		
09.30	32.10	1800		
10.50	30.30	1900		
12.30	29.45	2000		
13.45	28.30	2100		
15.20	27.25	2200		
17.00	26.10	2300		
18.45	24.50	2400		
			Log read 886	
			Plates 0.7	
			Sound surface net in 25 m	

9 20 20	9.23.15	2500 46	4682 2546 2136	219 46
21 00	22.20	2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2546	46
		3500	2136	173
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

163  
2805

No. 2805

Date 10/10/01

Machine. Reel. C  
 Turns Cor. + 172 Depth 100  
 Shot or lead 60 ft.  
 Bottom 11.67  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air 66 Surface 67 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-04-56		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
21/10/01		1900		
		2000		
		2100		
		2200		
27/10/01		2300		
28/10/01		2400		

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				
1500	6.30	2500	46.82	21.9
1700	5.51 10	2600	25.28	4.7
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	21.54	17.2
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

F.C.O. 2806

No. 151 Survey. Date Nov - 10 - 1891.  
A. C. 1000 Machine. 1 Reel. 1000.

Turns 2530 Cor. + 172 Depth 2702 fm.

Shot or lead 60 lbs.

Bottom 100 fms.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 70 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-10	16-0	0		
11-0	14-0	100		
12-00	13-30	200		
13-15	12-40	300		
14-0	11-45	400		
15-25	10-45	500		
16-30	09-45	600		
18-00	06-00	700		
19-10	07-45	800		
20	06-40	900		
21-30	05-30	1000		
22-45	04-20	1100		
24	03	1200		
25-00	02-20	1300		
26-45	01-40	1400		
28-11		1500		
29-35	58-00	1600	6	17
31-00	56-75	1700	6	18
32-20	55-15	1800	1	19
33-45	53-45	1900	1	20
35-10	52-30	2000	1	21
36-45	51-15	2100	1	22
38-15	50-00	2200	1	23
39-45	48-45	2300	1	24
40-15	47-75	2400	1	25

1-43-00	4682	2500	4682	219
43-45		2520	530	
		2600		
		2700	1167	
		2800		2580
		2900		2702
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	4682	219
		3600	2530	47
		3700	2152	172
		3800		2536
		3900		2702
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 15 Date 10/11/11

Machine. Reel

Turns 240 Cor. + 167 Depth 257 fms

Shot or lead 60 lbs.

Bottom 65.03

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 70 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-16-45	17-30	0		
17-45	16-50	100		
18-30	16-05	200		
19-30	15-15	300		
20-30	14-30	400		
21-30	13-40	500		
22-30	12-45	600		
30	11-50	700		
24-30	10-55	800		
25-30	10-0	900		
26-30	09-0	1000		
27-45	08-0	1100		
29-50	07-0	1200		
30-10	05-55	1300		
31-7	01-1	1400		
32-30	04-0	1500		
33-50	00-0	1600		
35-15	01-50	1700		
36-40	4-00-06	1800		
37-55	59-00	1900		
39-15	58-00	2000		
40-55	56-45	2100		
42-30	55-45	2200		
44-00	54-45	2300		
45-7	01-1	2400		
2-5746-00	3-53-00	2420		

Left hand 18  
Raw knots while reeling in.

2500	4682	219
2600	2420	52
2700	2262	167
2800		2420
2900		2587
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	2420	52
3700	2262	167
3800		2420
3900		2587
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

inner hot

30 stat. deg.

2607

No. 153 Diving Date Nov 10/91  
 Dipped Machine 1 Reel Navy  
 Turns 250 Cor. + 165 Depth 15 fms  
 Shot or lead 60 lbs. 0  
 Bottom 64.03  
 Bottom temperature 55°  
 No. of thermometer 69488 Cor. + 0.1  
 Corrected temperature 35.1  
 Air 70 Surface 70 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-37-0		0		
0	34.50	100		
2-50	33.50	200		
41-0	32.50	300		
42-20	31.50	400		
43-30	30.55	500		
46	29.55	600		
	28.55	700		
51	27.55	800		
41-20	26.59	900		
49-40	26.10	1000		
		1100		
52-25	23.50	1200		
5	22.50	1300		
55-0	21.40	1400		
56-20	20.35	1500		
57-40	19.20	1600		
59-0	18.10	1700		
6-8-20	17.05	1800		
		1900		
		2000		
11		2100		
5-55	12	2200		
1	11.45	2300		
5-7-0	11.10	2400		

log read:  
 Raw of knots while hauling in

2500		
2600	23	
2700	25	
2800		
2900		
3000		
3100		
3200		
3300	46	
3400	25	
3500	25	
3600		
3700		
3800		
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

100

50

50

50

No. 1054 Dredge Date Nov 1  
 Machine. Reel.  
 Turns 2336 Cor. + 1666 Depth 255 fms  
 Shot or lead 60 lbs  
 Bottom 4 m. dry.  
 Bottom temperature  
 No. of thermometer Cor.  
 Corrected temperature  
 Air 68 Surface 70 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	12-45	0		
	12-45	100		
	41-45	200		
	40-45	300		
	29-45	400		
	38-45	500		
	57-45	600		
	56-45	700		
	55-45	800		
	54-45	900		
	53-45	1000		
	21-55	1100		
	20-55	1200		
	19-55	1300		
	18-55	1400		
	17-55	1500		
	16-55	1600		
	15-55	1700		
	14-55	1800		
	13-55	1900		
	12-55	2000		
	11-55	2100		
	10-55	2200		
	9-55	2300		
	8-18-50	2400		

2500	7	7
2600	2 4 5	5 5
2700	2 4 5	1 6 4
2800	7	7
2900	7	7
3000		
3100		
3200		
3300		
3400		
3500	4 6 6 4	4 1 9
3600	2 3 5 5	5 5
3700	2 3 4 6	1 6 4
3800	2 3 5 5	2 3 5
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

10

No. 155 Survey Date Nov 10 1891.

Machine. 1 Reel No. 1

Turns 2251 Cor. + 161 Depth 2412 fms.

Shot or lead 60 lbs.

Bottom trawl

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 68 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-56-00	49-30	0		
57-00	48-30	100		
58-15	47-35	200		
59-15	46-40	300		
10-06-10	45-45	400		
01-05	44-50	500		
02-10	44-00	600		
63-15	43-00	700		
04-30	42-00	800		
05-40	41-00	900		
06-45	39-50	1000		
08-00	38-35	1100		
09-15	37-30	1200		
10-30	36-20	1300		
11-45	35-15	1400		
13-00	34-10	1500		
14-30	33-10	1600		
16-00	32-10	1700		
17-15	31-10	1800		
18-30	30-10	1800		
20-20	29-15	2000		
22-00	28-15	2100		
23-40	27-10	2200		
24-30	10-26-00	2251		
		2300		
		2400		
			Raw	15/10
			Log	15/10

2500	4682	210
2600	2251	58
2700	2431	161
2800		2251
2900		2412
3000		
3100		
3200		
3300		
3400	4682	219
3500	2251	58
3600	2431	161
3700		2251
3800		2412
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 156 Date Oct 10-1891

Machine & Reel

Turns 1930 Cor. + 142 Depth 2072

Shot ~~on~~ 60 lbs.

Bottom M. G. S.

Bottom temperature 35°

No. of thermometer 69 488 Cor. + 0.1

Corrected temperature 35.1

Air 68 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Foot mark

Raw

2500	46.82	
2600	19.30	
2700	27.57	
2800		
2900		
3000		
3100		
3200		
3300	15.57	
3400	15.57	17
3500	27.22	14.2
3600		
3700		
3800		
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

At 1000 fms. the temperature of the water is 14.2° C.

2512

No. 157 Survey Date May 1

Machine. / Reel. 1

Turns 2050 Cor. + 146

Depth 2197 1/2

Shot or lead 60 lbs

Bottom m. on

Bottom temperature —

No. of thermometer 1 Cor.

Corrected temperature —

Air 69 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURN	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Log read.  
Raw  
Notes astrol. reading in.

2500		
2600	20 50	1
2700	26 52	14
2800		
2900		
3000		
3100		
3200	46 82	219
3300	20 50	70
3400	26 32	149
3500		20 50
3600		2199
3700		
3800		
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Nov. 11/91

Machine, 1 Reel.

Turns 2575 Cor. + 1.74

Depth

Shot or lead 60 lbs

Bottom 3 m. 6 ft.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 68 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Log wash  
Plan

3-2-3-40 25-0.	29.30 3-25-30	2500 257 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000	11 5.1 4682 2575 2187 2662 2744
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SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				21.44
300				21.11
400				20.73
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 26° 45'

No. 159

Date 11 56

Machine &amp; Reel

Tides 1/4 Cor. + 16° Depth 2567 fms

Shot or lead 60 lbs

Bottom 6m. 62

Bottom temperature 35°

No. of thermometer 69488 Cor. to 11

Corrected temperature 35.1

Air 6.8 Surface 6.9 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.0	30	0		
15.50	16	100		
17.00	0	200		
17.50	03.25	300		
18.20	02.30	400		
18.30	01.35	500		
18.40	01.35	600		
18.50	01.30	700		
18.60	01.25	800		
18.70	01.20	900		
18.80	01.15	1000		
18.90	01.10	1100		
19.00	01.05	1200		
19.10	01.00	1300		
19.20	00.95	1400		
19.30	00.90	1500		
19.40	00.85	1600		
19.50	00.80	1700		
19.60	00.75	1800		
19.70	00.70	1900		
19.80	00.65	2000		
19.90	00.60	2100		
20.00	00.50	2200		
20.10	00.40	2300		
20.20	00.30	2400		

Port Neck  
Raw 1/1 6m. 62  
Bottom 35°

2500	46	16
2600	24	16
2700	22	16
2800		
2900		
3000		
3100		
3200		
3300	46 82	219
3400	24 00	52
3500	22 82	167
3600		140
3700		2567
3800		
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 160 Survey Date Nov 11

Machine, #2 Reel. No

Turns 2578 Cor. + 174 Depth 2752

Shot or lead 60 lbs

Bottom 1 m. 67

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 0.0 Surface 6° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Log read:

Raw 16/10 Reels while sounding sea.

am  
7.45.15

any

52.00

2500

4682

2015

2600

21.3

2700

21.3

2800

21.3

2900

17.5

3000

17.5

3100

3200

3300

4682

2015

3400

21.3

2015

3500

21.3

2015

3600

21.3

2015

3700

21.3

2015

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	"COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2816

No. 1611 Date Oct 2 1891

Machine 1 Reel 1

Turns 200 Cor. + 17 Depth 2446

Shot or lead 60 lbs

Bottom 11.62 fms. Lava

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 69 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-30	0			
11-30	100			
11-40	200			
10-45	300			
09-45	400			
08-50	500			
07-50	600			
06-50	700			
05-45	800			
04-45	900			
03-45	1000			
02-45	1100			
15-11-00	1200			
59-45	1300			
58-30	1400			
57-15	1500			
56-00	1600			
55-00	1700			
54-00	1800			
53-00	1900			
52-00	2000			
51-00	2100			
	2200			
	2300			
	2400			

Log book 1  
Raw 1  
Cet. while running in

2500	4682	
2600	2476	4
2700	2206	17.0
2800		2476
2900		2646
3000		
3100		
3200		
3300		
3400	4682	21.4
3500	2476	4.9
3600	2206	17.0
3700		2476
3800		2646
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 12

Date Nov 11 1881

Machine. Reel.

Turns 2550 Cor. + 173 Depth 2723 fms.

Shot or lead 60 lbs.

Bottom 31.02 S.

Bottom temperature did not

No. of thermometer 69.488

Cor. -

Corrected temperature

Air 70 Surface 69

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
1.5		200		
1.5		300		
1.5		400		
1.5		500		
1.5		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
31.45	49	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
41.30	50-00	2300		
43.00	11-48-50	2400		

Raw / knots while reeling in  
dog lead

11-97	30	45-47	2500	46.5	41.5
45-47	11-47	11-47	2600	46.5	41.5
			2700	46.5	41.5
			2800	46.5	41.5
			2900	46.5	41.5
			3000	46.5	41.5
			3100	46.5	41.5
			3200	46.5	41.5
			3300	46.5	41.5
			3400	46.5	41.5
			3500	46.5	41.5
			3600	46.5	41.5
			3700	46.5	41.5
			3800	46.5	41.5
			3900	46.5	41.5
			4000	46.5	41.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

207

No. 160 Survey, Date 10/11  
Sec. Machine. Reel. 1000

Turns Cor. + 109 Depth 2637 f.

Shot or lead 600 ft.

Bottom 61.60.

Bottom temperature

No. of thermometer 69.488 Cor. -

Corrected temperature -

Air 71. Surface 69 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-45	0-45	0		
45	0-0	100		
	1-00	200		
	2-20	300		
		400		
	4-1	500		
100-40	4-0	600		
		700		
	2-23	800		
19-30	1-20	900		
21-0	1-00-20	1000		
2-1	2-1	1100		
	3-20	1200		
41-45	5-20	1300		
41-0	4-0	1400		
	1-10	1500		
21-0	1-1	1600		
1	4-20	1700		
31-50	5-1-40	1800		
19-15	50-20	1900		
34-45	4-0-10	2000		
	4-0	2100		
1-45	4-6-45	2200		
1-10	4-1-20	2300		
41-0	1-19-20	2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

97.6

29.6

22.7

2.7

2.7

2.7

2.7

2.7

2.7

2.7

21.7

5.5

16.9

2.7

2.7

2.7

2.7

2.7

2.7

2.7

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

## REMARKS:

Temperature, 20°. Water depth, 1000 fms.  
 1000 fms. 20°. Water depth, 1000 fms.

2819

No. 164 Survey Date 9

Revolving Machine. 11 Reel. 11-1819

Turns Cor. + Depth 2591

Shot or lead 6.0 m

Bottom 7m. 0m.

Bottom temperature 35.5

No. of thermometer 2 4815 Cor. -0.3

Corrected temperature 35.2

Air 72 Surface 70 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4. 11.30	12.00	0		
2. 4.31	10.45	100		
5.0	1.0.00	200		
3.0.0	09.00	300		
3.	08.00	400		
	7.00	500		
5. 5.0	206.00	600		
	05.00	700		
6. 2.0	04.00	800		
22. 4.0	02.45	900		
6. 0.0	01.40	1000		
2.0. 2.45	5.00.30	1100		
2.6. 3.0	5.9.30	1200		
	5.8.30	1300		
	7.20	1400		
3.0. 3.5	5.6.10	1500		
3.1. 3.5	5.5.00	1600		
	5.4.00	1700		
3.1. 3.0	5.2.55	1800		
3.6. 1.15	5.1.45	1900		
	5.0.35	2000		
9. 0.5	4.9.30	2100		
4.0. 1.0	2.8.00	2200		
4.2. 1.5	4.7.25	2300		
		2400		

2500	
2600	
2700	27.5
2800	
2900	
3000	
3100	4682
3200	2473
3300	2259
3400	
3500	
3600	
3700	
3800	
3900	
4000	

No. 16.5 Survey Date Aug 21 1911  
Machine. Reel.

Turns 2400 Cor. + 170 Depth 2650

Shot or lead 60 lbs.

Bottom 500 fms.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 69 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6-15-30	27-	0		
16-30	21-40	100		
17-45	21-	200		
18-60	1-	300		
19-75	1-	400		
20-90	16-	500		
21-9	12-	500		
22-10	11-	600		
23-11	11-	700		
24-12	0-	800		
25-13	0-	900		
26-14	0-	1000		
27-15	0-	1100		
28-16	04-15	1200		
29-17	04-	1300		
30-18	04-15	1400		
31-19	16-15	1500		
32-20	7-	1600		
33-21	51-45	1700		
34-22	51-45	1800		
35-23	51-45	1900		
36-24	51-45	2000		
37-25	51-45	2100		
38-26	51-	2200		
39-27	51-	2300		
40-28	1-	2400		

6-48-0	6-48-0	2500	45.5	45.5
		2600	24.5	4.5
		2700	19.5	19.5
		2800	24.5	24.5
		2900	26.5	26.5
		3000		
		3100		
		3200		
		3300		
		3400	16.5	16.5
		3500	24.5	4.5
		3600	26.5	19.5
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lowered surface net 10 minutes. Caught:

Small quantity  
Villiella

No.

Date

Machine. Reel.

Turns Cor. + 11 Depth 2655 fms.

Shot or lead 60 lbs.

Bottom 4 fm 02

Bottom temperature

No. of thermometer 1 Cor. —

Corrected temperature

Air 69 Surface 69 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

46.8

24.1

24.1

24.1

24.1

24.1

24.1

24.1

24.1

24.1

24.1

24.1

24.1

24.1

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24.1

24.1

24.1

24.1

24.1

24.1

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

117. 6/27/78  
No. Date  
Dugites Macline. 1/ Reel. 1000

Turns Cor. + Depth

Shot or lead 60 lbs.

Bottom 35°

Bottom temperature 35.8

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.0

Air 68 Surface 69 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
47-43		600		
116-40		700		
		800		
		900		
48-05		1000		
111-01		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

46.82

46.82

46.82

46.82

46.82

46.82

46.82

46.82

46.82

46.82

46.82

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46.82

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46.82

46.82

46.82

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 168 Survey Date Nov. 13 1871

Machine. Reel.

Turns 200 Cor. + Depth 26.91

Shot or lead, 60 lbs

Bottom 0°

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature

Air 67 Surface 69 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 03. 00.	04.40	0		
04. 15	06.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	65.2
2600	65.5
2700	65.5
2800	65.5
2900	65.5
3000	
3100	
3200	
3300	46.5
3400	46.5
3500	46.2
3600	45.5
3700	
3800	
3900	
4000	

2/19

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Machine.

Reel.

Turns Cor. + Depth 747

Shot or lead 60 lbs.

Bottom 67-02

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 68 Surface 69 Drift

Trawl or dredge

SOUNDING WIRE.		TURN	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.17 15	21-30	0		
	21-45	100		
	21-60	200		
26 25	18-30	300		
	18-45	400		
	18-60	500		
	16-	600		
	15-15	700		
	15-30	800		
	12-45	900		
	10-55	1000		
	10-70	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

3.50.35	3.574.10	2500	46.2	27.9
		2600	25.73	26.5
		2700	21.09	17.4
		2800		25.23
		2900		27.47
		3000		
		3100		
		3200		
		3300		
		3400	46.82	27.9
		3500	25.73	26.5
		3600	21.09	17.4
		3700		25.73
		3800		27.47
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 100 Date 10/1/11  
Machine & Reel

Turns 2747 Cor. + 1 Depth 2760

Shot ~~on lead~~ 60 lbs.

Bottom 60 fms.

Bottom temperature 35.

No. of thermometer 54.815 Cor. -0.3

Corrected temperature 35.2

Air 68 Surface 67 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5 - 37 - 30	46-00	0		
	45-00	100		
2 - 20	44-00	200		
4 - 15	43-00	300		
41 - 30	41-00	400		
41 - 25	41-00	500		
40 - 20	40-00	600		
		700		
4 - 15	39-15	800		
4 - 15	36-00	900		
4 - 15	34-00	1000		
1 - 30	33-30	1100		
1 - 30	32-15	1200		
	31-00	1300		
	29-15	1400		
	28-15	1500		
	27-15	1600		
5 - 2	25-45	1700		
59 - 11	22-45	1800		
6 - 00 - 1	21-15	1900		
	18-45	2000		
	17-15	2100		
	15-15	2200		
11 - 3	15-15	2300		
	14-15	2400		

ADM.

6-09-30	6-09-30	2500	46.82	219
10-20	6-09-30	2600	25.47	46
		2700	21.36	173
		2800		2547
		2900		2720
		3000		
		3100		
		3200		
		3300		
		3400	25.42	219
		3500	25.47	45
		3600		
		3700		
		3800		27.20
		3900		
		4000		

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

607. 2826

No. 171. Date

Frigate. Machine. 1/ Reel. 57

Turns 2550 Cor. + 17.3 Depth

Shot or lead 60 lbs

Bottom 6 m.

Bottom temperature

No. of thermometer 1 Cor.

Corrected temperature

Air 69 Surface 70 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
58-50	02-0	0	-	-
59-15	0-40	100	-	-
		200	-	-
		300	-	-
		400	-	-
		500	-	-
		600	-	-
		700	-	-
		800	-	-
		900	-	-
		1000	-	-
		1100	-	-
		1200	-	-
		1300	-	-
		1400	-	-
		1500	-	-
		1600	-	-
		1700	-	-
		1800	-	-
		1900	-	-
		2000	-	-
		2100	-	-
		2200	-	-
		2300	-	-
		2400	-	-

31-30 8-83-15

2500	170	
2600	2570	41
2700	2493-2	173
2800		2550
2900		2723
3000		
3100		
3200		
3300	11	
3400	2550	46
3500	2132	173
3600		2550
3700		2723
3800		
3900		
4000		

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

807. ~~2007~~ 2027

No. 1111 Date 11.11.1881  
 Dredge Machine Reel  
 Turns Cor. + Depth 27  
 Shot on lead 1  
 Bottom 7m. 0m  
 Bottom temperature  
 No. of thermometer 54618 Cor. -0.3  
 Corrected temperature 35.2  
 Air 69 Surface 70 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10-41-0	44.40	2500	4682	210
72.6	10-44-0	2600	2565	46
		2700		173
		2800		2565
		2900		2735
		3000		
		3100		
		3200		
		3300	4682	219
		3400	2565	46
		3500	2117	173
		3600		2565
		3700		2738
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 173 Survey Date

Sounding Machine. Reel. Way  
Turns 2568 Cor. + 143 Depth 2741 fms.  
Shot or lead 69

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 72 Surface 70

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
20.10	23	0		
22.20	20	100		
23.15		200		
24.15	20	300		
25.15	20	400		
		500		
26.20	18	600		
27.25	17	700		
28.30	16	800		
29.25	16	900		
31.40	15	1000		
32.15	12	1100		
		1200		
34.30	10	1300		
		1400		
36.30	8	1500		2
38.35	6	1600		
40.00	6	1700		
41.25	05.10	1800		
42.45	04.00	1900		
		2000		
		2100		
44.45	1.00	2200		
		2300		
46.90	1.00	2400		

PP

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

## SERIAL TEMPERATURES.

DIAPHR.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 174 Survey Date

Sighter Machine. 1 Reel. 1807

Turns Cor. + 176 Depth 2791

Shot or lead 6

Bottom 5m

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 72 Surface 70 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	48.40	0		
	41.00	100		
	40.20	200		
	39.35	300		
50	38.50	400		
47.35	38.00	500		
40.35	37.10	600		
40.50	36.20	700		
51.55	35.30	800		
53.00	34.40	900		
54.15	33.45	1000		
55.15	32.50	1100		
56.20	31.55	1200		
57	30.55	1300		
58.40	29.50	1400		
59.45	28.45	1500		
3.01.10	27.40	1600	4	16
	26.35	1700		16
40	25.30	1800		
04.30	24.20	1900		
16.15	23.10	2000		
07.35	22.05	2100		
08.45	20.55	2200		
	19	2300		
	18	2400		

Conrad Gilio  
medic - Sancti

2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000

SERIAL TEMPERATURES

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600		(C 12.5 12.5)		
700				
800				
900				
1000				

REMARKS:

2830

No. 175 Date Oct 10 1891

Sigsbee Machine. #1 Reel. No.

Turns 661 Cor. + 77 Depth 10 fms

Shot or lead 60 lbs.

Bottom 6ms

Bottom temperature 35.2

No. of thermometer 54 815 Cor. -0.3

Corrected temperature 35.4

Air 71 Surface 70 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-34-1	100	0		
5-34-2	100	100		
5-34-3	100	200		
5-34-4	100	300		
5-34-5	100	400		
5-34-6	100	500		
5-34-7	100	600		
5-34-8	100	700		
5-34-9	100	800		
5-34-10	100	900		
5-34-11	100	1000		
5-34-12	100	1100		
5-34-13	100	1200		
5-34-14	100	1300		
5-34-15	100	1400		
5-34-16	100	1500		
5-34-17	100	1600		
5-34-18	100	1700		
5-34-19	100	1800		
5-34-20	100	1900		
5-34-21	100	2000		
5-34-22	100	2100		
5-34-23	100	2200		
5-34-24	100	2300		
5-34-25	100	2400		

04-10	18-25	2500	4682	41
05-0	69-35	2600	2643	4
		2643	<u>2039</u>	177
		2700		2643
		2800		2820
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	419
		3500	2643	42
		3600	<u>2040</u>	177
		3700		2643
		3800		2820
		3900		
		4000		

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Dredge Machine. 1 Recd. Shaw

Turns 2 Cor. + Depth 770

Shot or lead 60 lbs

Bottom 67.07

Bottom temperature 6

No. of thermometer — Cor. —

Corrected temperature —

Air 71 Surface 70 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
26.00	0	0		
25.75	100			
25.50	200			
25.25	300			
25.00	400			
24.75	500			
24.50	600			
24.25	700			
24.00	800			
23.75	900			
23.50	1000			
23.25	1100			
23.00	1200			
22.75	1300			
22.50	1400			
22.25	1500			
22.00	1600			
21.75	1700	2		
21.50	1800			
21.25	1900			
21.00	2000			
20.75	2100			
20.50	2200			
20.25	2300			
20.00	2400			

2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300	41.6	
3400	26.16	4/4
3500	2.97	
3600		
3700		
3800		
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

Dipole Machine Reel Name

Turns Cor. + 1000 Depth 7837

Shot or lead 60 lb.

Bottom 60.0

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 70 Surface 70 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	0	0		
	100			
	200			
	300			
	400			
	500			
	600			
	700			
	800			
	900			
	1000			
	1100			
	1200			
	1300			
	1400			
	1500			
	1600			
	1700			
	1800			
61.30	1900			
	2000			
	2100			
23.30	2200			
	2300			
	2400			

		2500	26 17	21
		2600	26 17	21
		2700	26 18 2	21
		2800		21
		2900		21
		3000		21
		3100		21
		3200	26 17	21
		3300	26 17	21
		3400	26 18 2	21
		3500	26 18 2	21
		3600		21
		3700		21
		3800		21
		3900		21
		4000		21

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2822

No. 176 Date 13-10-76

Machine Reel

Turns 942 + 147 Depth 2015

Shot on lead 60 lbs

Bottom 600 fms

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature

Air 71 Surface 72 Drift —

Trawl or dredge —

SOUNDING WIRE.		TIME	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1 - 34 - 00	12 - 00	0		
25 - 00	11 - 00	100		
36 - 00	10 - 00	200		
37 - 00	10 - 00	300		
38 - 10	10 - 00	400		
39 - 10	10 - 00	500		
40 - 10	10 - 00	600		
41 - 10	10 - 00	700		
42 - 10	10 - 00	800		
43 - 10	10 - 00	900		
44 - 10	10 - 00	1000		
45 - 10	10 - 00	1100		
46 - 10	10 - 00	1200		
47 - 10	10 - 00	1300		
48 - 10	10 - 00	1400		
49 - 10	10 - 00	1500		
50 - 10	10 - 00	1600		
51 - 10	10 - 00	1700		
52 - 10	10 - 00	1800		
53 - 10	10 - 00	1900		
54 - 10	10 - 00	2000		
		2100		
		2200		
		2300		
		2400		

2500	17.1	21.0
2600	19.4	21.0
2700	22.7	21.0
2800	21.5	21.0
2900	20.0	21.0
3000		
3100		
3200		
3300		
3400		
3500	16.6	21.0
3600	19.4	21.0
3700	27.4	19.3
3800		19.4
3900		20.8
4000		5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

1000

No. 1000 Date 10-10-1911  
 Machine 1 Reel 1  
 Turns 217 Cor. + 14 Depth 67 fms.  
 Shot on lead 60 lbs.  
 Bottom true. of  
 Bottom temperature 35.4  
 No. of thermometer 54815 Cor. -0.3  
 Corrected temperature 35.1  
 Air 71 Surface 72 Drift  
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-32-15	21-00	0		
32-15	20-00	100		
33-15	19-10	200		
34-00	18-15	300		
34-45	17-15	400		
35-45	16-15	500		
36-15	15-70	600		
37-15	14-10	700		
38-45	13-20	800		
39-45	12-20	900		
40-15	11-10	1000		
41-15	10-00	1100		
	9-00	1200		
42-15	07-40	1300		
43-15	06-30	1400		
44-15	05-20	1500		
	04-10	1600		
	03-00	1700		
45-15	01-45	1800		
46-15		1900		
47-15	00-30	2000		
48-15	01-50	2100		
49-15	02-10	2200		
		2300		
		2400		

2500	4682	66
2600	2127	153
2700	25	153
2800	2127	153
2900	2280	153
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	2127	66
3700	2555	153
3800	2127	153
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

31° dry. temp. 21° wet. 15° 31°

No. 16, C. S. Date Nov 13 - 1891

Jigging Machine, #1 Reel, Karp-

Turns 2100 Cor. + Depth

Shot ~~at least~~ 60 lbs.

Bottom 6w. oz

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 70 Surface 70 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500	4682	219
2600	5221	61
2700		7.40
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	2221	61
3700	2461	108
3800		2221
3900		23.79
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

500 2-530

No. 111 Servd Date 11/11/11  
Divided Machine.  $\frac{1}{2}$  Reel.

Turns Cor. + Depth 27' 27

Shot or lead 600 lbs

Bottom 6' 0" 7'

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature -

Air 70 Surface 70 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-39-30	11	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
48-1		800		
		900		
17-30		1000		
11-11	12	1100		
11-30	66	1200		
17-30		1300		
		1400		
3-7-3	27-27	1500		
3-7-2	16	1600		
47-45	55-0	1700		
2-61-10	26-16	1800		
11	37-30	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	118.2	
		2600	118.2	
		2700	212.0	118
		2800		215.4
		2900		27.27
		3000		
		3100		
		3200		
		3300	to	
		3400	33W 7/8.24	
		3500		
		3600	46.5	21.2
		3700	25.54	11.2
		3800	21.28	11.2
		3900		21.5
		4000		27.27

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1000000000 Date

Cordless Machine 1 Reel.

Turns 2000 Cor. + Depth 2733 fms

Shot or lead 60 lbs

Bottom 522.07

Bottom temperature 35

No. of thermometer 57-015 Cor. -0.3

Corrected temperature 35.3

Air 70 Surface 70 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

9.07.00	9.10.45	2500		
08.00	08.30	2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	46.1	47
		3600	45.6	46
		3700	45.1	47.3
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

No. 1 Date OCT 16

Machine. Reel.

Turns 2570 Cor. + 174 Depth 24 - fms.

Shot or lead 6

Bottom m. 62

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 73 Surface 72 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.68.10	07-00	0		
	05-45	100		
10.00	05-00	200		
	02-30	300		
	01-20	400		
	01-12 00-20	500		
11.00	59.46	600		
	58.45	700		
13	57.45	800		
	56.36	900		
	55.26	1000		
14.00	54.30	1100		
		1200		
		1300		
		1400		
		1500		
		1600		
15.25	47.35	1700		
16.50	46.25	1800		
17.20	45.15	1900		
18.50	44.00	2000		
19.20	42.50	2100		
20.05	41.40	2200		
20.45	40.30	2300		
21.00	11.39.20	2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TRMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 184 Survey Date Nov 13 - 1891.

Digebee Machine. Reel. Navy.

Turns 2526 Cor. + 172 Depth 2698 fms.

Shot on lead 60 lbs.

Bottom 1m 62

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 72 Surface 72 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
16-15	16-30	0		
17-15	15-30	100		
18-15	14-45	200		
19-15	13-35	300		
20-05	12-30	400		
21-00	11-30	500		
22-00	10-35	600		
23-00	09-45	700		
24-00	09-00	800		
25-00	08-00	900		
26-15	07-01	1000		
27-15	06-00	1100		
28-30	04-50	1200		
29-45	03-50	1300		
31-00	02-30	1400		
32-20	01-15	1500		
33-05	00-00	1600		
34-00	59-00	1700		
35-50	59-50	1800		
37-45	56-30	1900		
39-15	55-20	2000		
40-45	54-15	2100		
42-15	53-60	2200		
43-45	52-61	2300		
45-15	1-50-45	2400		
Gravel - 121 - 17 fms			61,6	
Kicks - white sand				
R. 141,0				

J.M.

1-47-07	49-2	2500	46 82	219
47-30	1-49-10	2600	2526	49
		2700	2156	172
		2800		2526
		2900		2698
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	46 82	219
		3600	2526	47
		3700	2156	172
		3800	1	2526
		3900		269
		4000		

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 185 Date 13-10-11

Machine Reel

Turns Cor. + Depth

Shot or lead 60 lbs.

Bottom

Bottom temperature

No. of thermometer 54.815 Cor. -0.3

Corrected temperature 35.3

Air 72 Surface 72 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-3 4-00		0		
3 4-50		100		
		200		
3 4-15		300		
3 4-30		400		
3 4-45		500		
3 4-60		600		
3 4-75		700		
4 1-30		800		
4 1-45		900		
4 1-60		1000		
4 1-75		1100		
4 1-90		1200		
4 1-105		1300		
4 1-120		1400		
4 1-135		1500		
4 1-150	1-160	1600		
4 1-165	1-170	1700		
4 1-180		1800		
4 1-195		1900		
4 1-210		2000		
4 1-225	1-230	2100		
4 1-240		2200		
		2300		
		2400		

2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	2609	44
3700	2673	175
3800		2606
3900		
4000		2784

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Shifted <sup>REMARKS</sup> oscillating engine,  
 & put back the old ~~shaker~~  
 engine -

No. 16 Date

Machine. Reel.

Turns 2345 Cor. + 165 Depth 570

Shot or lead 60 ebs

Bottom br. of

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 72 Surface 71 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
6.50		900		
8.60		1000		
		1100		
10.20		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

log read: 1' 1" knots while running  
flaw

2500	46.5	26.5
2600	23.5	16.5
2700	23.5	16.5
2800		23.5
2900		
3000		
3100		
3200		
3300	46.8	26.8
3400	23.45	54
3500	23.37	16.5
3600		
3700		
3800		251.0
3900		
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

28402

No. 28402 Date 10/10/00  
Machine Reel

Turns 2364 Cor. + 166 Depth 3556

Shot or lead 60 lbs.

Bottom 1m, 6s.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 72 Surface 71 Drift

Trawl or dredge

SOUNDING WIRE:		DEPTH	DEPTH	DREDGE ROPE:	
DOWN.	UP.			DOWN.	UP.
6.59.40	5.91.11	0			
11.01.05		100			
		200			
02.50		300			
03.50		400			
04.00		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
16		1400			
		1500			
		1600			
17		1700			
18		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

Log read:

Raw 1.5 knot

Sulcicid

2500	4	
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500	46.52	21.9
3600	43.66	21.5
3700	23.18	21.5
3800		21.5
3900		21.5
4000		21.5

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 188 Date 13-1891

Shoal Machine, #1 Reel Name

Turns 1546 Cor. + 172 Depth 13 fms.

Shot or lead 60 lbs.

Bottom 6m. 67

Bottom temperature 35.2

No. of thermometer 54815 Cor. -0.3

Corrected temperature 35.2

Air 71 Surface 71 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
20-00	21-30	0		
21-30	22-00	100		
22-00	22-30	200		
22-30	23-00	300		
23-00	23-30	400		
23-30	24-00	500		
24-00	24-30	600		
24-30	25-00	700		
25-00	25-30	800		
25-30	26-00	900		
26-00	26-30	1000		
26-30	27-00	1100		
27-00	27-30	1200		
27-30	28-00	1300		
28-00	28-30	1400		
28-30	29-00	1500		
29-00	29-30	1600		
29-30	30-00	1700		
30-00	30-30	1800		
30-30	31-00	1900		
31-00	31-30	2000		
31-30	32-00	2100		
32-00	32-30	2200		
32-30	33-00	2300		
33-00	33-30	2400		
Log read: 71			Raw. 7/16 Kurt thick line	

J. J. W.

9-53-00	56-33	2500	46.87	210
55-46	9-56-00	2600	25.62	46
		2700	21.36	173
		2800		
		2900		27.19
		3000		
		3100		
		3200		
		3300		
		3400		
		3500	46.82	219
		3600	25.46	46
		3700	21.36	173
		3800		25.46
		3900		27.19
		4000		

## SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 139 Swinn. Date Oct 13 1881.

Wind Machine Reel, Ban.

Turns Cor. + Depth 2321 fm.

Shot or load 60 lbs.

Bottom 1 m. 6 in.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 70 Surface 71 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-56	2	0		
11	—	100		
58-45	2	200		
59-45	2	300		
12-05-45	1	400		
91-45	2	500		
69-45	2	600		
73	2	700		
94-45	2	800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500		
2600		
2700		
2800		
2900		
3000		
3100		
3200		
3300		
3400		
3500	46.82	219
3600	<u>26.45</u>	<u>82</u>
3700	20.37	177
3800		26.45
3900		28.22
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2845

No. 10

Date 1/1

Machine. Reel.

Turns

Cor. +

Depth

2570

Shot or lead

60 lbs.

fms.

Bottom M. Oy. Lava

Bottom temperature

No. of thermometer 54815

Cor. -0.3

Corrected temperature 35.1

Air 69 Surface 71 Drift

Trawl or dredge

COUNDING WIRE.		TIME	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
Log read:		Knot while sounding		
has				

2500	4682	219
2600	2403	52
2700	2279	167
2800		2403
2900		2570
3000		
3100		
3200		
3300		
3400		
3500	4682	219
3600	2403	52
3700	2279	167
3800		2403
3900		2570
4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2846

No.

Date

Machine. / Reel. (1)

Turns 7095

Cor. + 1.10

Depth

Shot or lead

62

Bottom

10

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 6.9

Surface

71

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

log read:

Raw

bottom while dredging

06-5	4-69-5	2500	2545	44
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2595	44
		3600	2087	175
		3700		?
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 192 Date 2/10  
Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air Surface

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
Raw		Raw	Raw	
Knots		Knots	Knots	
while Reeling in		while Reeling in	while Reeling in	
1500 fms		1500 fms	1500 fms	
1500 fms		1500 fms	1500 fms	

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

107. 4547

No. 192 Survey. Date, Oct 14-1891.  
 Sigsbee Machine #1 Reel Name -  
 Turns Cor. + 176 Depth 2801 fms.

Shot on lead 60 lbs.

Bottom 1m. 07.

Bottom temperature -

No. of thermometer - Cor. -

Corrected temperature -

Air 72 Surface 72 Drift -

Trawl or dredge -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
47-42-2	49-30	0		
47-32	48-2	100		
47-16	47-11	200		
47-4	47-1	300		
46-2	46-2	400		
45-12	45-1	500		
44-17	44-5	600		
43-11	43-1	700		
42-9	42-1	800		
41-4.5	41-1	900		
40-0	40-1	1000		
39-8	39-7	1100		
38-30	38-25	1200		
37-3	37-1	1300		
36-0	36-0	1400		
35-16.5	35-1	1500		
34-0	34-1	1600		
33-5	33-15	1700		
32-0	34-15	1800		
31-1	33-1	1900		
30-1	32-10	2000		
29-16.5	31-11	2100		
28-1	30-1	2200		
27-0	29-00	2300		
26-1	27-45	2400		
			dog lead	
			has knot while reeling in	

100	15	2.3	2500	46.2	46.2
200	45	25.2	2600	46.5	46.5
300	55	10-15-30	2700	46.7	46.7
			2800		25.5
			2900		25.5
			3000		25.5
			3100		25.5
			3200		25.5
			3300		25.5
			3400	46.8	46.8
			3500	46.5	46.5
			3600	46.7	46.7
			3700	46.5	46.5
			3800	46.7	46.7
			3900		25.5
			4000		25.5

#### SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300	66.0	1000	0.0	66.0
400	66.0	1000	0.0	66.0
500	66.0	1000	0.0	66.0
600	66.0	1000	0.0	66.0
700	66.0	1000	0.0	66.0
800	66.0	1000	0.0	66.0
900	66.0	1000	0.0	66.0
1000				

#### REMARKS:

for the bottom 2000  
feet the expansion  
coefficient applies.

178458

607.

No.

Date

Machine. Reel. Plan

Turns 2500 Cor. + 178 Depth 2

Shot or lead 60 ft

Bottom

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 72 Surface 72 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
1/6. 40		1500		
15. 4		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
Log read:			Raw	

12-33-45	36-50	2500	4682	219
34-45	36-20	2500	2555	46
		2700	2127	173
		2800		2555
		2900		2728
		3000		
		3100		
		3200		
		3300		
		3400	4682	219
		3500	2555	46
		3600	2127	173
		3700		2555
		3800		2728
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

9 M-48 17

2849

No. 194. Survey Date Apr. 14/91.  
 Sighting Machine. Reel. Story

Turns 2535 Cor. + 172 Depth 2707  
 Shot or lead 60 lbs  
 Bottom 1m 02.  
 Bottom temperature —  
 No. of thermometer — Cor. —  
 Corrected temperature —  
 Air 74 Surface 72 Drift —

Trawl or dredge —

Simulating Star

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-13-40	19-30	0	2-41-40	49-40 2000
14-40	18-50	100	46-0	25-8
15-40	18-10	200	36-0	2-49-10 26-0
16-40	17-20	300	37-0	37-0
17-40	16-45	400		
18-45	16-0	500		
19-50	15-10	600		
20-55	14-30	700		
22-0	13-25	800		
23-20	12-75	900		
24-30	11-20	1000		
25-40	10-20	1100		
27-0	09-10	1200		
28-10	08-10	1300		
29-40	07-5	1400		
31-0	06-10	1500		
32-20	05-10	1600		
33-45	04-0	1700		
35-5	03-0	1800		
36-45	3-02-0	1900		
38-0	39-30	2000		
39-30	37-30	2100		
41-0	35-0	2200		
42-30	33-25	2300		
44-5	3-52-0	2400		

Log read: 62.4 Interval: 1/2

Raw 1-5 knots while sounding wire

$$\begin{array}{r} 4682 \\ - 2535 \\ \hline 2147 \end{array}$$

$$\begin{array}{r} 219 \\ - 47 \\ \hline 172 \\ - 55 \\ \hline 2707 \end{array}$$

$$\begin{array}{r} 4682 \\ - 2535 \\ \hline 2147 \end{array}$$

$$\begin{array}{r} 219 \\ - 47 \\ \hline 172 \\ - 2535 \\ \hline 2707 \end{array}$$

